

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior listings of claims in the application.

Listing of Claims

1. (Original) A high-strength aluminum alloy extruded product exhibiting excellent corrosion resistance, comprising an aluminum alloy which comprises, in mass%, 0.6 to 1.2% of Si, 0.8 to 1.3% of Mg, and 1.3 to 2.1% of Cu while satisfying the following conditional expressions (1), (2), (3), and (4),

$$3\% \leq \text{Si\%} + \text{Mg\%} + \text{Cu\%} \leq 4\% \quad (1)$$

$$\text{Mg\%} \leq 1.7 \times \text{Si\%} \quad (2)$$

$$\text{Mg\%} + \text{Si\%} \leq 2.7\% \quad (3)$$

$$\text{Cu\%}/2 \leq \text{Mg\%} \leq (\text{Cu\%}/2) + 0.6\% \quad (4)$$

and further comprises 0.04 to 0.35% of Cr and 0.05 % or less of Mn as an impurity, with the balance being aluminum and unavoidable impurities, the aluminum alloy extruded product having a recrystallized structure with a grain size (average grain size; hereinafter the same) of 500 μm or less.

2. (Original) The high-strength aluminum alloy extruded product exhibiting excellent corrosion resistance, according to claim 1, wherein the aluminum alloy further comprises at least one of 0.03 to 0.2% of Zr, 0.03 to 0.2% of V, and 0.03 to 2.0% of Zn.

3. (Currently Amended) A method of manufacturing a high-strength aluminum alloy extruded product exhibiting excellent corrosion resistance, the method comprising:
extruding a billet of the aluminum alloy according to claim 1
~~or 2~~ into a solid product by using a solid die, in which a bearing length (L) is 0.5 mm or more and the bearing length

(L) and a thickness (T) of the solid product to be extruded have a relationship expressed as "L≤5T", to obtain a solid extruded product of which a cross-sectional structure has a recrystallization texture with a grain size of 500 µm or less.

4. (Original) The method of manufacturing a high-strength aluminum alloy extruded product exhibiting excellent corrosion resistance according to claim 3, wherein a flow guide is provided at a front of the solid die, an inner circumferential surface of a guide hole in the flow guide being apart from an outer circumferential surface of an orifice which is continuous with the bearing of the solid die at a distance of 5 mm or more, and the flow guide having a thickness 5 to 25% of a diameter of the billet.

5. (Currently Amended) A method of manufacturing a high-strength aluminum alloy extruded product exhibiting excellent corrosion resistance, the method comprising:
extruding a billet of the aluminum alloy according to claim 1
~~or 2~~ into a hollow product by using a porthole die or a bridge die while setting a ratio of a flow speed of the aluminum alloy in a joiningnon-joining section to a flow speed of the aluminum alloy in a non-joiningjoining section in a chamber, where the billet reunites after entering a port section of the die in divided flows and subsequently encircling a mandrel, at 1.5 or less, to obtain a hollow extruded product of which a cross-sectional structure has a recrystallization texture with a grain size of 500 µm or less.

6. (Currently Amended) The method of manufacturing a high-strength aluminum alloy extruded product exhibiting excellent corrosion resistance according to ~~any of claims 3 to 5~~claim 3, the method comprising: homogenizing the billet of the aluminum alloy at a temperature equal to or higher than 500°C and lower than a melting point of the aluminum alloy; and heating the homogenized billet to a temperature equal to or

higher than 470°C and lower than the melting point of the aluminum alloy and extruding the billet.

7. (Currently Amended) The method of manufacturing a high-strength aluminum alloy extruded product exhibiting excellent corrosion resistance according to ~~any of claims 3 to 6~~ claim 3, the method comprising: a quenching step of maintaining a surface temperature of the extruded product immediately after extrusion at 450°C or higher and then cooling the extruded product to 100°C or lower at a cooling rate of 10°C/sec or more, or subjecting the extruded product to a solution heat treatment at a temperature of 480 to 580°C at a temperature rise rate of 5°C/sec or more and then a quenching step of cooling the extruded product to 100°C or lower at a cooling rate of 10°C/sec or more; and a tempering step of heating the extruded product at 170 to 200°C for 2 to 24 hours.